CLIENT
WORKSTATION
(100)

LAN/WAN
(103)

WEB / FILE
SERVER
(101)

VIRUS-FREE
CERTIFICATE
AUTHORITY
SERVER
(102)

FIG. 1

(200)

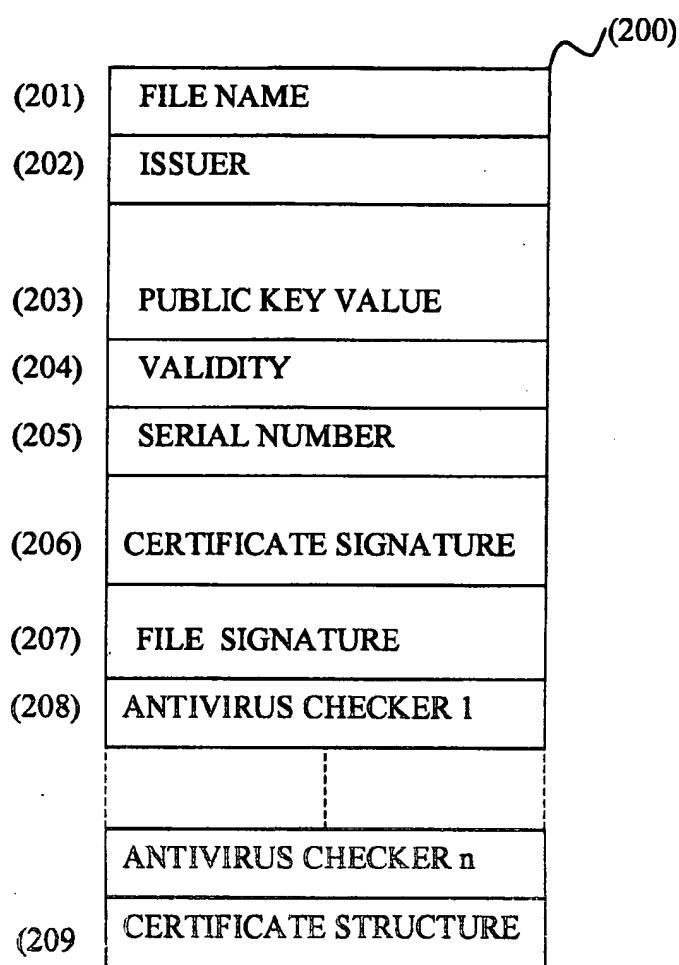|	
(201)	FILE NAME
(202)	ISSUER
(203)	PUBLIC KEY VALUE
(204)	VALIDITY
(205)	SERIAL NUMBER
(206)	CERTIFICATE SIGNATURE
(207)	FILE SIGNATURE
(208)	ANTIVIRUS CHECKER 1
	ANTIVIRUS CHECKER n
(209	CERTIFICATE STRUCTURE

FIG. 2

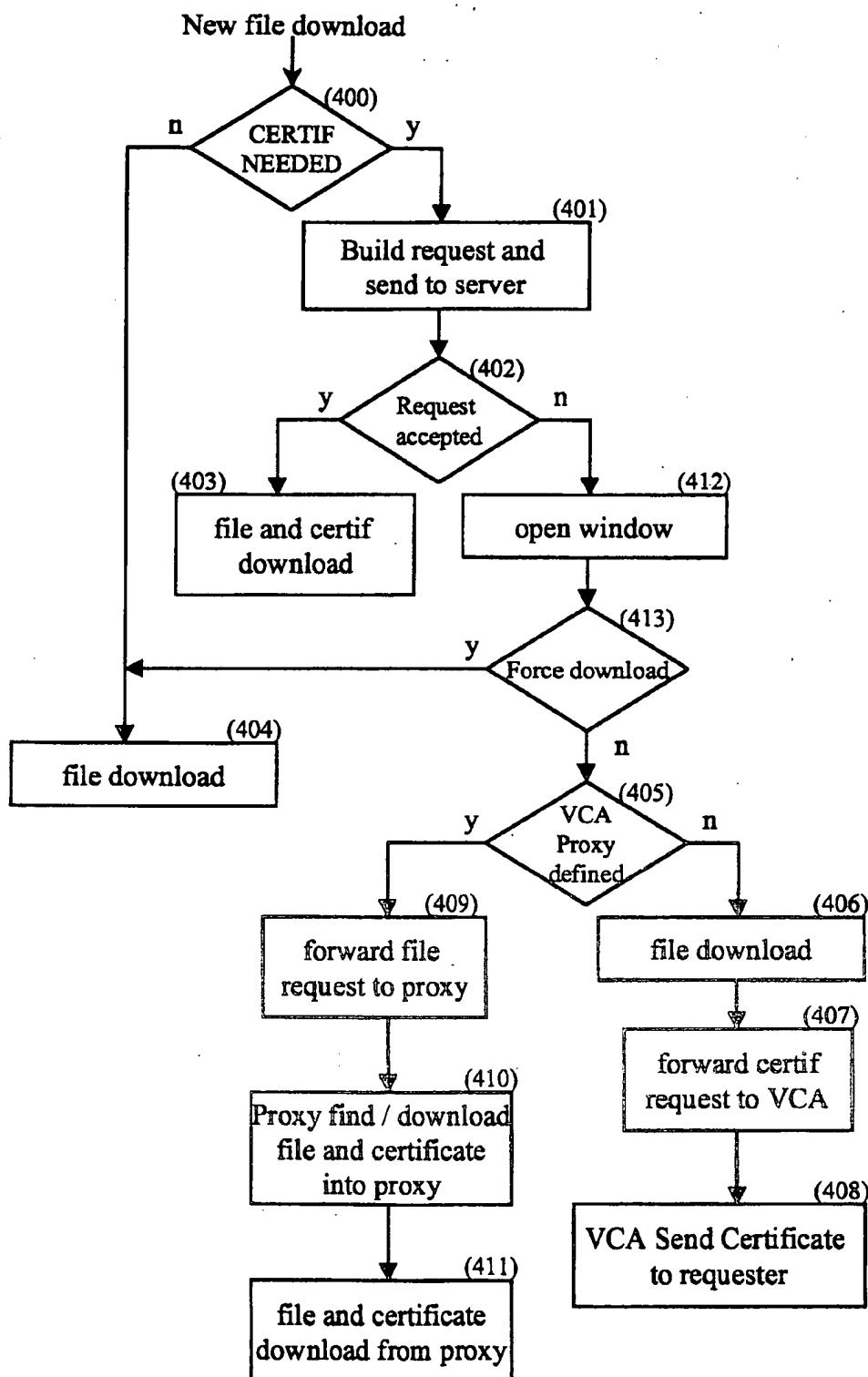|	
(301)	Authorized / trusted issuers
(302)	Authorized antivirus programs
(303)	File types requiring Certificates
(304)	Virus-free Certificates types
(305)	VCA proxy
(306)	Default VCA
(307)	Download actions

FIG. 3

New file download

```
                    (400)
              CERTIF
      n       NEEDED       y
```

(401)
Build request and
send to server

(402)
Request
accepted

(403)
file and certif
download

(412)
open window

(413)
Force download

(404)
file download

(405)
VCA
Proxy
defined

(409)
forward file
request to proxy

(406)
file download

(410)
Proxy find / download
file and certificate
into proxy

(407)
forward certif
request to VCA

(411)
file and certificate
download from proxy

(408)
VCA Send Certificate
to requester

FIG. 4